



US Army Corps  
of Engineers  
Seattle District



# Joint Public Notice

## Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

**US Army Corps of Engineers**  
Regulatory Branch  
Post Office Box 3755  
Seattle, WA 98124-3755  
Telephone: (206) 316-3048  
ATTN: Ms. Danette L. Guy,  
Project Manager

**WA Department of Ecology**  
SEA Program  
Post Office Box 47600  
Olympia, WA 98504-7600  
Telephone: (360) 407-6068  
ATTN: SEA Program,  
Federal Permit Coordinator

**Public Notice Date: March 9, 2017**  
**Expiration Date: April 8, 2017**

**Reference No.: NWS-2016-1117**  
**Name: Wahkiakum County Public Works**

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Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the U.S. as described below and shown on the enclosed drawings dated November 21, 2016.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

**APPLICANT:** Attention: Mr. Chuck Beyer  
Wahkiakum County Public Works  
Public Works Director  
POBox 97  
Cathlamet, Washington 98612  
Telephone: (360) 795-3301

**AGENT:** Attention: Ms. Melora Shelton  
Grette Associates, LLC  
2102 North 30<sup>th</sup> Street, Suite A  
Tacoma, Washington 98403  
Telephone: (253) 573-9300

**LOCATION:** Work is located at adjoining properties at three separate sites along the Shoreline of Puget Island, and one near Cape Horn, in the Columbia River near Cathlamet, Wahkiakum County, Washington.

Sites include:

- 1) River Mile 38.25, Sand Pit - 16 residential parcels would receive up to 366,870 cubic yards (CY) over 21.7 acres
- 2) River Mile 40.0-40.5, North Welcome Slough – 26 parcels would receive up to 1,036,231 million CY over 41.7 acres

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- 3) River Mile 43.5, Pancake Point – 26 parcels would receive up to 286,030 CY of material over 17.6 acres
- 4) River Mile 47.5, Cap Horn – 29 parcels would receive up to 492,950 CY of material over 22.9 acres.

**WORK:** Place up to 2,182,080 million CY of clean dredged material (sand) on 104 acres over a period of 10 years.

**PURPOSE:** Protect private property.

**ADDITIONAL INFORMATION:** Discharged material would recreate eroded shorelines and create beach areas below the plane of the ordinary high water. The applicant proposes to use clean dredged material obtained from local dredging projects conducted by the Corps, Portland District.

The proposed sole method for material delivery at the Sand Pit, Welcome Slough and Cape Horn locations is direct delivery with pipeline dredge where material is pumped through a discharge pipeline. In addition to direct delivery, two other possible alternatives for sand placement at Pancake Point are possible. Pipeline delivery from a temporary rehandling area where material is brought in by a vessel, e.g., bottom-dump hopper dredge, and potentially placed in a temporary rehandling area for transfer to the site by pipeline dredge. The other alternative is delivery from a hopper dredge or barge with pump-out capability where material is pumped ashore from a hopper dredge, or similarly a barge fitted with pump-out capabilities may transport the material ashore.

Initial delivery of the material at the Sand Pit site would be to the dewatering area, which is designed for this purpose and includes a return water weir. Due to the existing conditions at the North Welcome Slough site it is not conducive for dewatering. Pancake Point and Cape Horn are currently being evaluated to determine if dewatering is an option given site conditions.

**Disposal Conditions:** The following standard site-use conditions will be specified by the Corps and the Washington Department of Natural Resources as part of the Federal/State permitting processes if a permit is issued: (1) disposal operations must not interfere with Indian treaty fishing at the disposal site, including gill nets and other fishing gear; (2) the permittee must coordinate any nighttime disposal with the Corps, Seattle District, Regulatory Branch Project Manager; and (3) approval must be received from the District Engineer prior to conducting nighttime disposal. Other appropriate special conditions may be added as a result of comments received during the public review period for this public notice.

**MITIGATION:** A mitigation plan was not submitted.

**ENDANGERED SPECIES:** The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. A preliminary determination indicates the activity will affect endangered or threatened species, or their critical habitat. Consultation under Section 7 of the ESA is required.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area. The Corps has determined that the proposed action will adversely affect designated EFH for federally managed fisheries in Washington waters. The Corps has initiated EFH consultation with the National Marine Fisheries Service.

**CULTURAL RESOURCES:** The Corps is reviewing the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. The permit area is likely to contain historic properties eligible for inclusion in the National

## **NWS-2016-1117, Wahkiakum County Public Works**

Register. An investigation for the presence of eligible historic properties is justified. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

**EVALUATION – CORPS:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or Tribal Governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

**EVALUATION – ECOLOGY:** Ecology is soliciting comments from the public; Federal, Native American Nations or Tribal Governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

**ADDITIONAL EVALUATION:** This proposal is the subject of a Shorelines Substantial Development Permit which is being processed by Wahkiakum County.

**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

**NWS-2016-1117, Wahkiakum County Public Works**

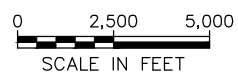
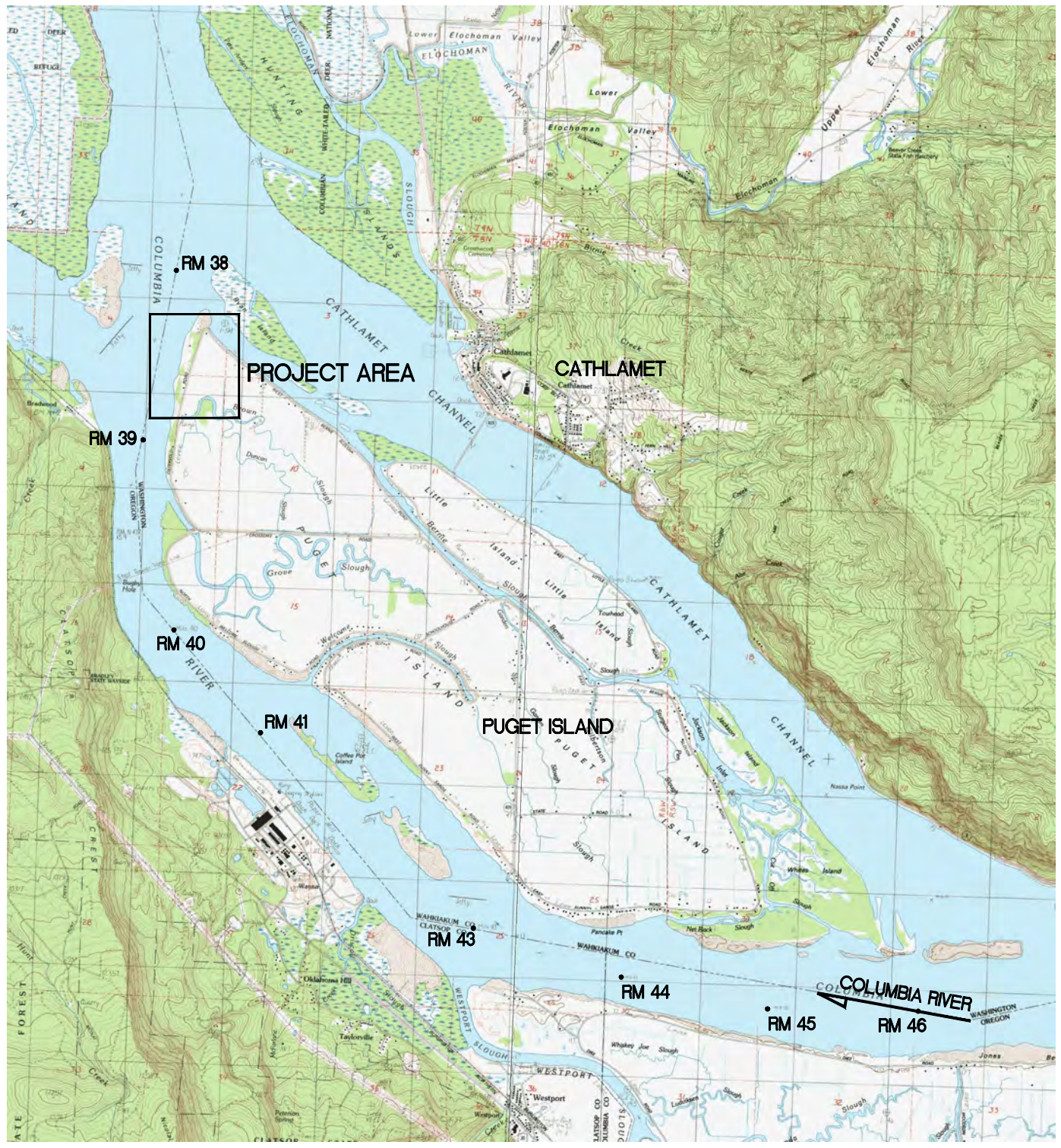
CORPS COMMENTS: All e-mail comments should be sent to danette.l.guy@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Danette L. Guy, 2108 Grand Boulevard, Vancouver, Washington 98661. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to [ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov).

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Wahkiakum County Public Works, NWS-2016-1117.

Encl: Figures (23)





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Sheet 1 of 23

PURPOSE: RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

DATUM: CRD

ADJACENT PROPERTY OWNERS:  
1. SEE SHEET 5

APPLICATION BY: WAHIAKUM CO. PUBLIC WORKS

## SAND PIT SITE SAND PLACEMENT

### VICINITY MAP

PROPOSED: PLACE DREDGED RIVER SAND ON  
ERODED BANK

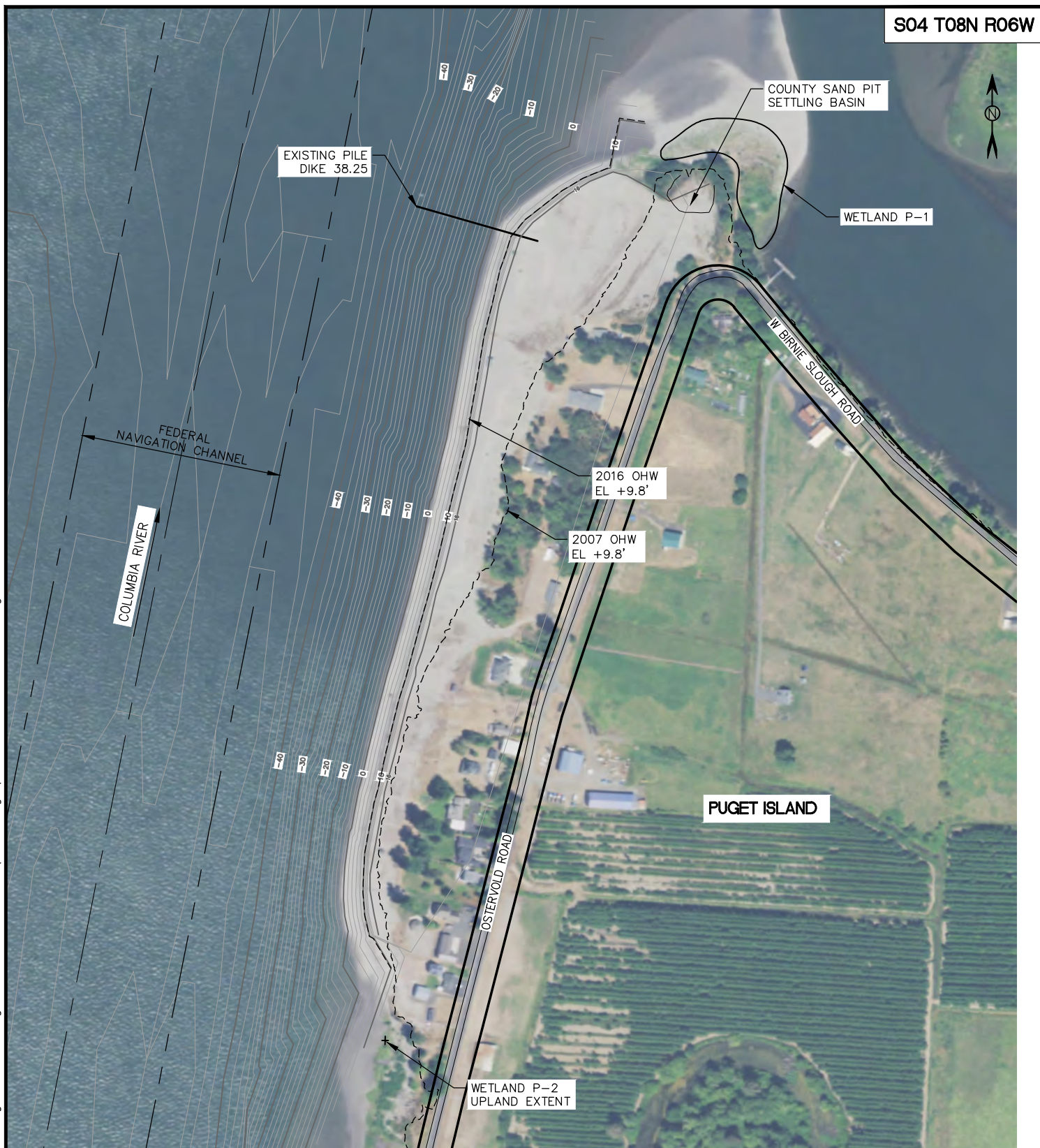
IN: COLUMBIA RIVER

AT: RIVER MILE 38.25

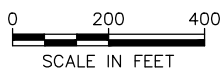
COUNTY: WAHIAKUM USACE REF:

DATE: 11/21/16



**NOTES**

1. UPLAND TOPOGRAPHY GENERATED FROM 2005 LIDAR DATA AND GPS SURVEY POINTS COLLECTED FEBRUARY 26, 2016.
2. BATHYMETRY GENERATED FROM JAN 2016 HYDROGRAPHIC SURVEY BY USACE.

**SITE PLAN**

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Sheet 2 of 23

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	9.8
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## SAND PIT SITE SAND PLACEMENT

### EXISTING SITE PLAN

**PROPOSED:** PLACE DREDGED RIVER SAND ON ERODED BANK

**IN:** COLUMBIA RIVER  
**AT:** RIVER MILE 38.25

**COUNTY:** WAHIAKUM **USACE REF:**

**DATE:** 11/21/16

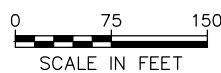
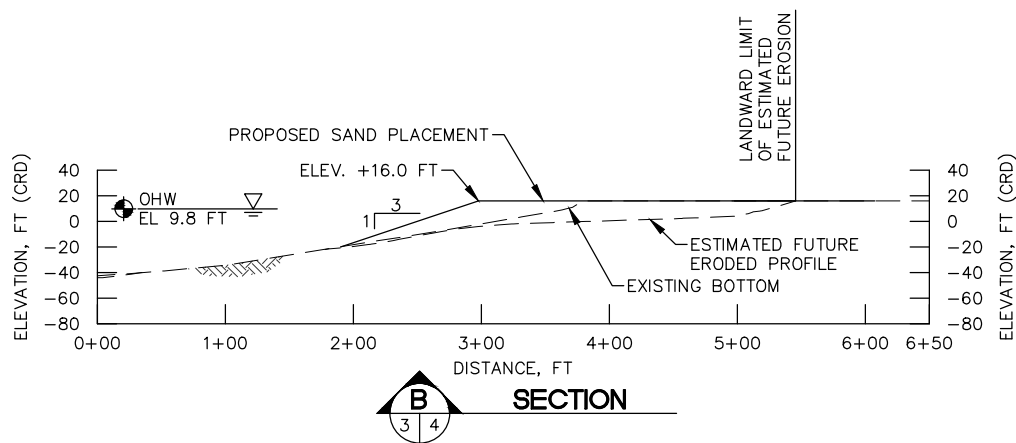
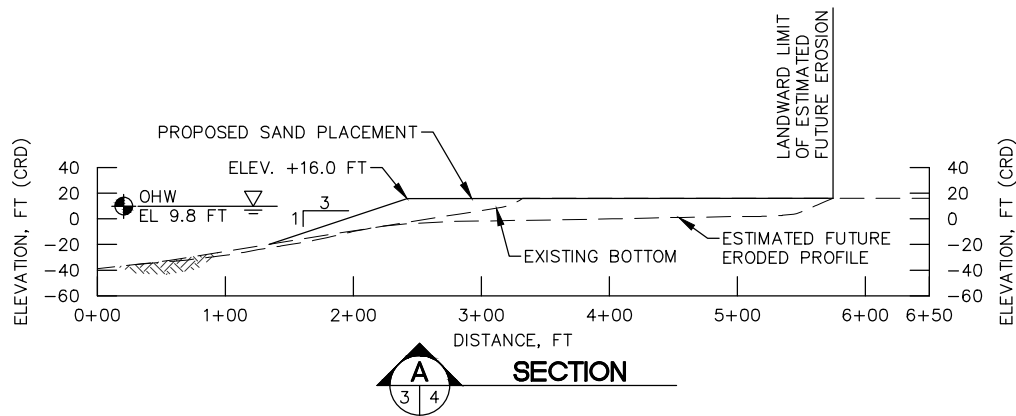




A horizontal scale bar with a black and white alternating pattern. It is labeled '0' at the left end, '200' at the midpoint, and '400' at the right end. Below the bar, the text 'SCALE IN FEET' is written in capital letters.

ORDINARY HIGH WATER (OHW)	9.8
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DATE: 11/21/16



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**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## SAND PIT SITE SAND PLACEMENT

### SECTIONS

**PROPOSED:** PLACE DREDGED RIVER SAND ON  
ERODED BANK

**IN:** COLUMBIA RIVER  
**AT:** RIVER MILE 38.25

**COUNTY:** WAHIAKUM **USAGE REF:**

**DATE:** 11/21/16





PARCEL NUMBER	PROPERTY OWNER(S)	ADDRESS
410002	Mary Ellen Hegnes	600 N 50th, Longview, WA 98632
410003	Diking District #1	County Property
440001	Robert and Patricia Ohrberg	249 Ostervold Rd., Cathlamet, WA 98612
440002	Hilarie Larson	Po Box 567, Cathlamet, WA 98612
440004	Robert and Patricia Ohrberg	249 Ostervold Rd., Cathlamet, WA 98612
440005	Gregg Carlson	205 Ostervold Rd., Cathlamet, WA 98612
440006	Frans Eykel	199 Ostervold Rd., Cathlamet, WA 98612
440007	Robert Ohrberg Jr.	217 Ostervold Rd., Cathlamet, WA 98612
440008	Jody Wagner Trust	1750 NW Saltsman Rd., Portland, OR 97229
440009	Rick Watkins	Po Box 484, Cathlamet, WA 98612
120003	Frans Eykel	199 Ostervold Rd., Cathlamet, WA 98612
120004	Brent and Renea Freeman	197 Ostervold Rd., Cathlamet, WA 98612
120005	Arthur Hauge	Po Box 8, Cathlamet, WA 98612
120006	Michelle Alward	193 Ostervold Rd, Cathlamet, WA 98612
120007	Robert Brewer	Po Box 67, Crescent City, CA 95531
120009	White Properties 2, LLC.	Po Box K, Longview, WA 98632
120010	Jeffrey & Sherrill Bollen	Po Box 32, Cathlamet, WA 98612
120011	Lewis & Carol Raymond	12401 NE 15th Ave., Vancouver, WA 98685

NOT TO SCALE

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**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHKIAKUM CO. PUBLIC WORKS

## SAND PIT SITE SAND PLACEMENT

### PARCEL MAP

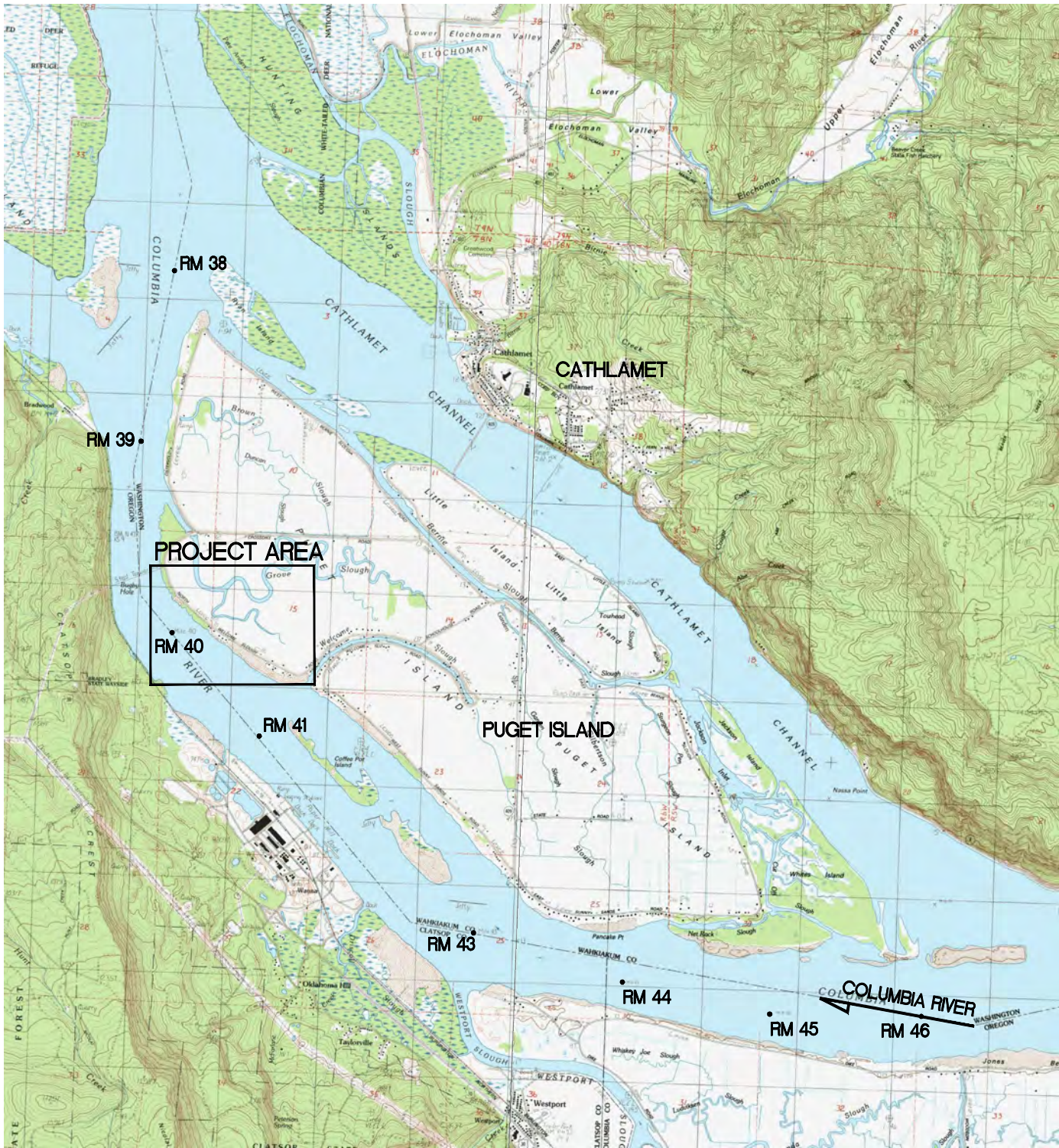
**PROPOSED:** PLACE DREDGED RIVER SAND ON  
ERODED BANK

**IN:** COLUMBIA RIVER  
**AT:** RIVER MILE 38.25

**COUNTY:** WAHKIAKUM **USACE REF:**

**DATE:** 11/21/16





0 2,500 5,000  
SCALE IN FEET

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Date 11/21/16

**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
EXISTING WETLANDS AND MULTIPLE  
UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 7

**APPLICATION BY:** WAHAKIUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

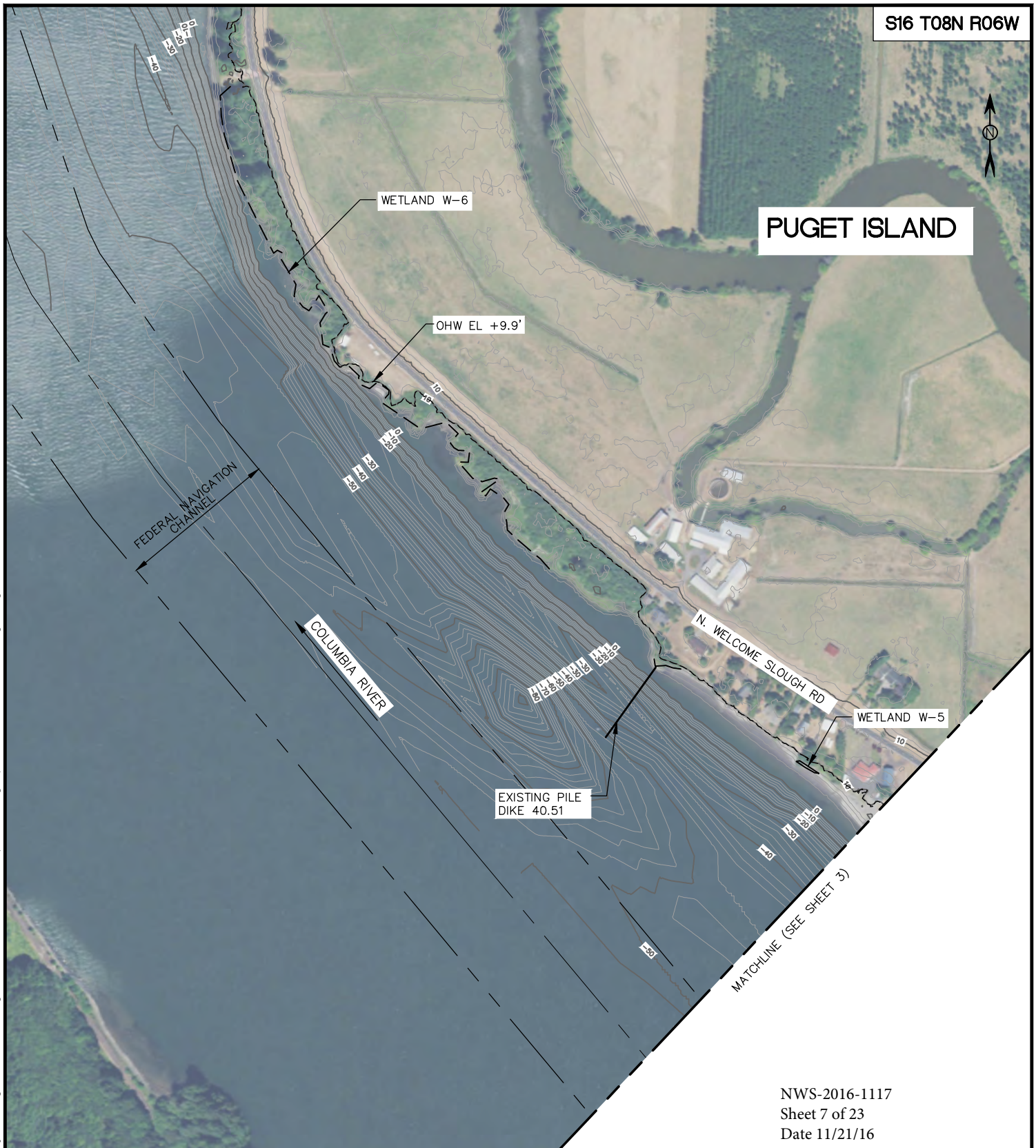
### VICINITY MAP

**PROPOSED:** PLACE DREDGED RIVER SAND AT  
ERODED BANK AND EARTHEN DIKE

**IN:** COLUMBIA RIVER  
**AT:** RIVER MILE 40.0-40.5  
**COUNTY:** WAHAKIUM **USACE REF:**

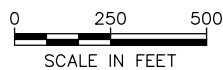


FILE: Z:\367004 - Wahiakum County - Puget Island Dredged Material Placement\7 - Design\367004-Welcome Slough.dwg



#### NOTES

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY JAN 2016.



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Sheet 7 of 23  
Date 11/21/16

#### WATER LEVELS, FT. (CRD)

ORDINARY HIGH WATER (OHW)	9.9
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 7

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

### EXISTING SITE PLAN 1

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK AND EARTHEN DIKE

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 40.0-40.5

**COUNTY:** WAHIAKUM **USACE REF:**



# PUGET ISLAND



MATCHLINE (SEE SHEET 2)

N. WELCOME SLOUGH RD

WETLAND W-4

WETLAND W-3

OHW EL +9.9'

WETLAND W-2

WETLAND W-1

FEDERAL NAVIGATION CHANNEL

COLUMBIA RIVER

## NOTES

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Sheet 8 of 23  
Date 11/21/16

## WATER LEVELS, FT. (CRD)

ORDINARY HIGH WATER (OHW)	9.9
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 7

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

## EXISTING SITE PLAN 2

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK AND EARTHEN DIKE

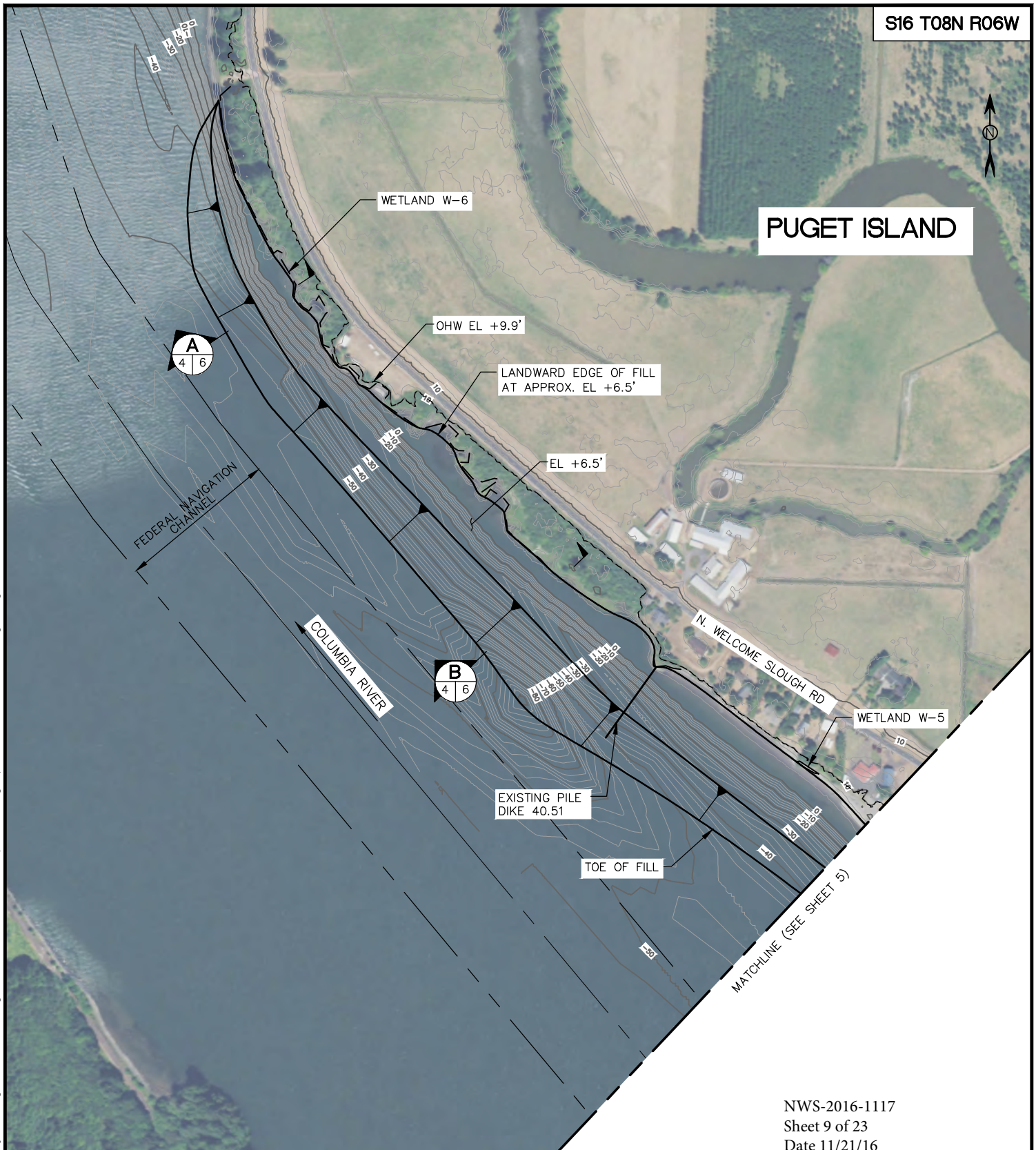
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**AT:** RIVER MILE 40.0-40.5

**COUNTY:** WAHIAKUM **USACE REF:**



FILE: Z:\367004 - Waukiakum County - Puget Island Dredged Material Placement\7 - Design\367004-Welcome Slough.dwg



S16 T08N R06W



**NOTES**

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Sheet 9 of 23  
Date 11/21/16

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	9.9
---------------------------	-----

**PURPOSE:** RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 7

**APPLICATION BY:** WAHAKIUM CO. PUBLIC WORKS

**WELCOME SLOUGH SITE  
SAND PLACEMENT**

**PROPOSED SITE PLAN 1**

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK AND EARTHEN DIKE

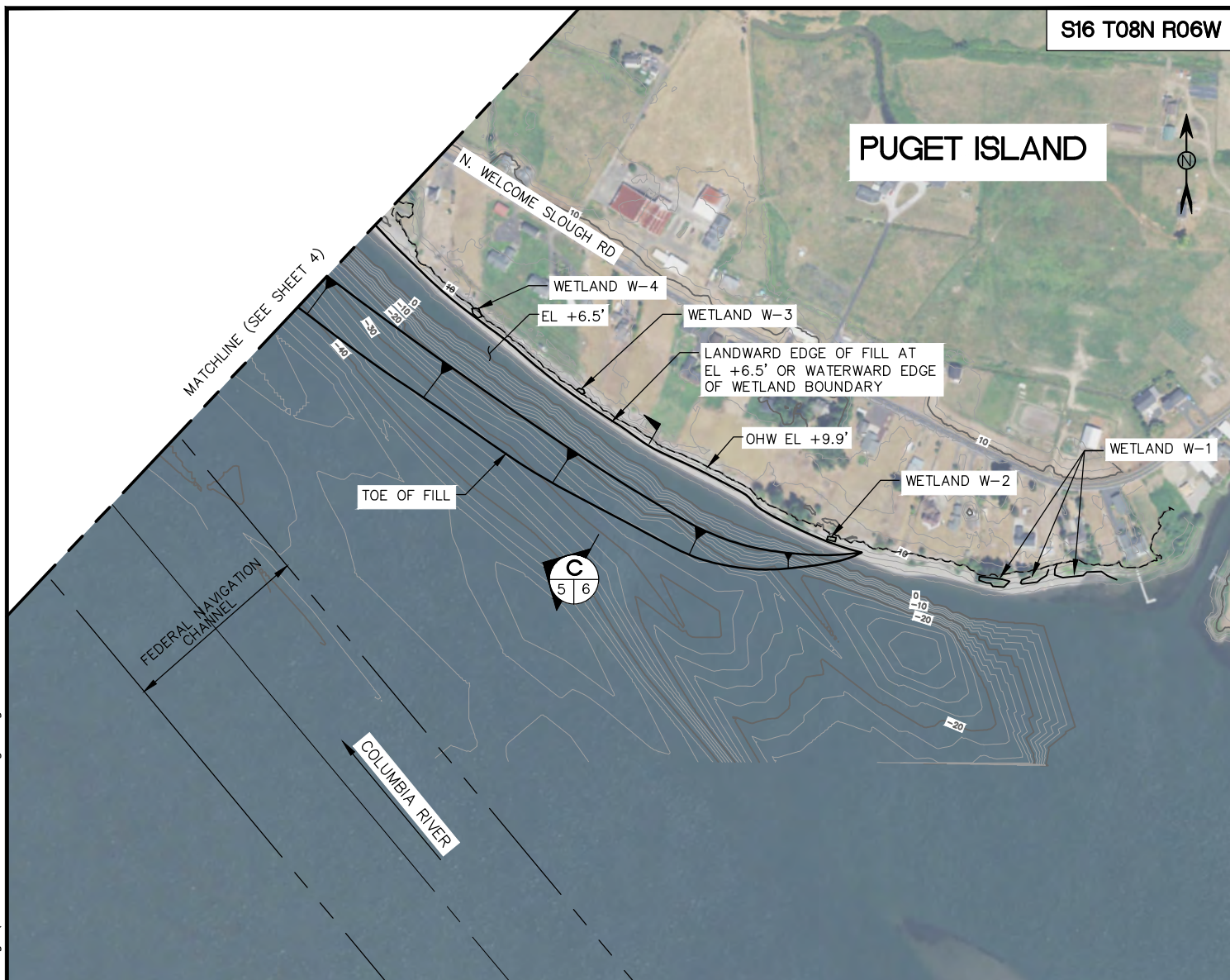
**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 40.0-40.5

**COUNTY:** WAHAKIUM **USACE REF:**



# PUGET ISLAND



NWS-2016-1117  
 Sheet 10 of 23  
 Date 11/21/16

## NOTES

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## WATER LEVELS, FT. (CRD)

ORDINARY HIGH WATER (OHW)	9.9
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
 1. SEE SHEET 7

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

## PROPOSED SITE PLAN 2

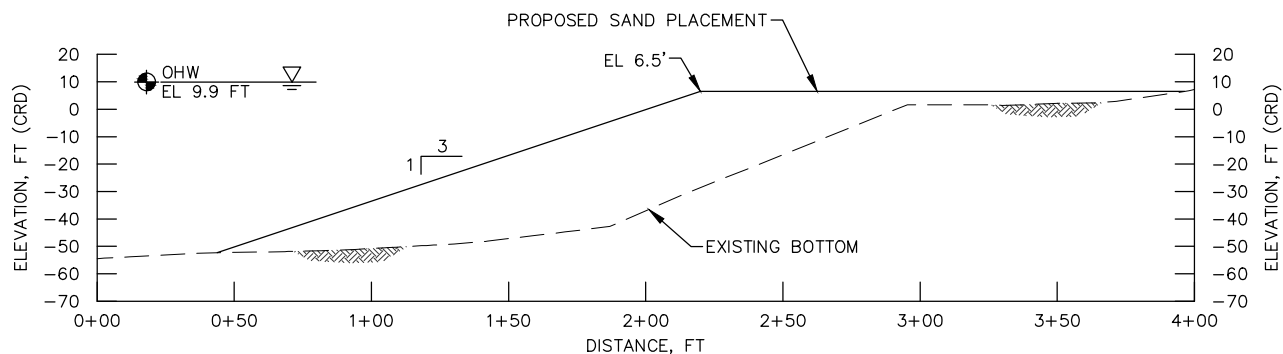
**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK AND EARTHEN DIKE

**IN:** COLUMBIA RIVER

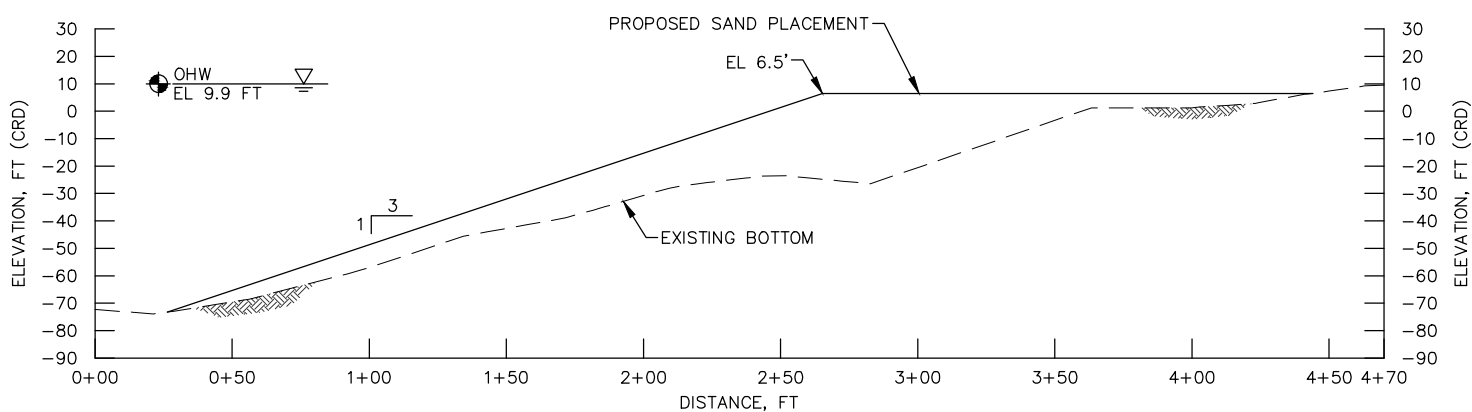
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**COUNTY:** WAHIAKUM **USACE REF:**

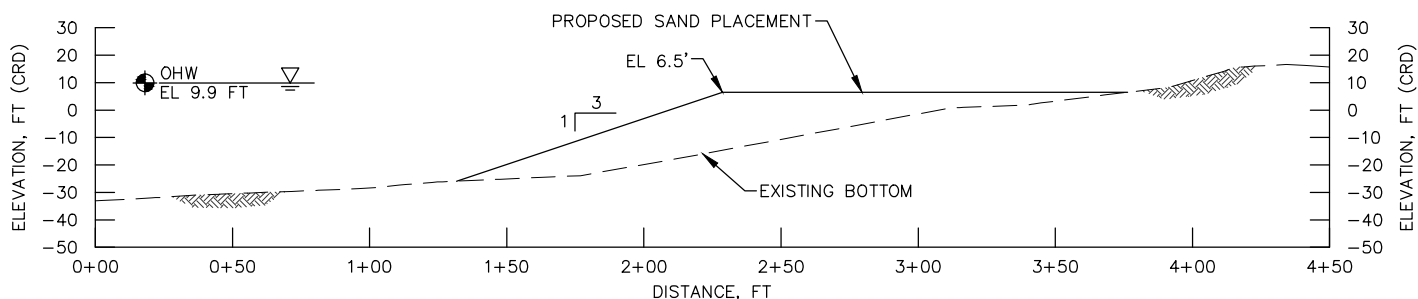




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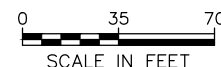


SECTION



SECTION

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Sheet 11 of 23  
Date 11/21/16



**PURPOSE:** RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 7

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

### SECTIONS

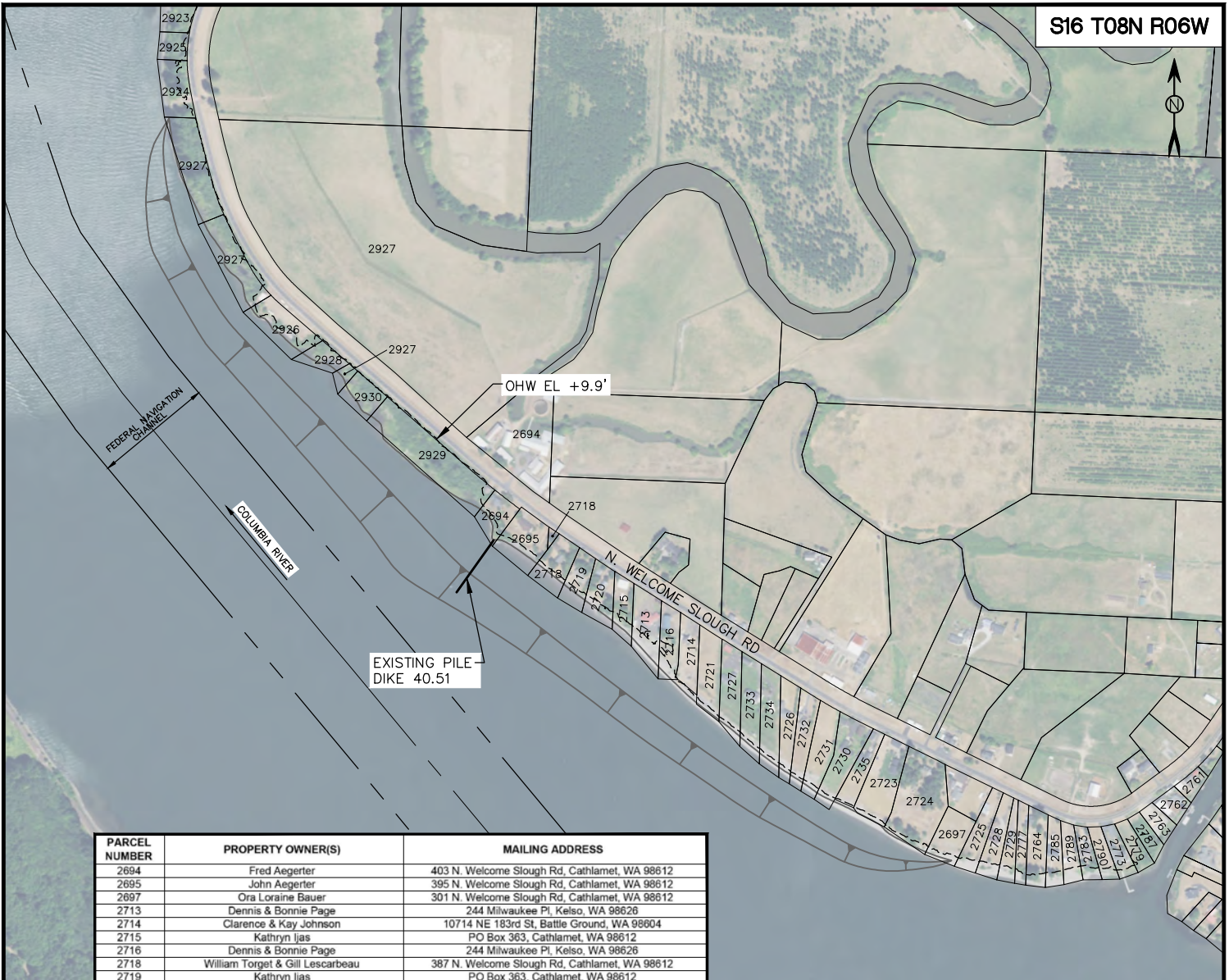
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**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 40.0-40.5

**COUNTY:** WAHIAKUM **USACE REF:**

FILE: Z:\367004 - Waukiakum County - Puget Island Dredged Material Placement\7 - Design\367004-Welcome Slough.dwg



PARCEL NUMBER	PROPERTY OWNER(S)	MAILING ADDRESS
2694	Fred Aegerter	403 N. Welcome Slough Rd, Cathlamet, WA 98612
2695	John Aegerter	395 N. Welcome Slough Rd, Cathlamet, WA 98612
2697	Ora Loraine Bauer	301 N. Welcome Slough Rd, Cathlamet, WA 98612
2713	Dennis & Bonnie Page	244 Milwaukee Pl, Kelso, WA 98626
2714	Clarence & Kay Johnson	10714 NE 183rd St, Battle Ground, WA 98604
2715	Kathryn Ijas	PO Box 363, Cathlamet, WA 98612
2716	Dennis & Bonnie Page	244 Milwaukee Pl, Kelso, WA 98626
2718	William Torget & Gill Lescarbeau	387 N. Welcome Slough Rd, Cathlamet, WA 98612
2719	Kathryn Ijas	PO Box 363, Cathlamet, WA 98612
2720	Libby & Matthew Yuskaitis Living Trust	4841 152nd Pl SE, Bellevue, WA 98006
2721	Richard Jaspers & Renee Jaspers-Johnson	3325 Virginia Way, Longview, WA 98632
2723	Kevin & Stephanie Prestegard	317 N. Welcome Slough Rd, Cathlamet, WA 98612
2724	Larry Reese	305 N. Welcome Slough Rd, Cathlamet, WA 98612
2725	Ken Park & Pam Sesar	8700 SW White Court, Portland, OR 97225
2726	Roderick & Karen Williams	23288 NE 15th St, Sammamish, WA 98074
2727	Douglas & Jill Martin Trust	PO Box 609, Cathlamet, WA 98612
2728	Steven Sharp	PO Box 693, Cathlamet, WA 98612
2729	Kim Sharp	PO Box 693, Cathlamet, WA 98612
2730	Lennis & Roberta Gibbons	323 N. Welcome Slough Rd, Cathlamet, WA 98612
2731	Jim & Marilyn Strange & Rod & Cecile Smith	60 Elkridge Land, Naselle, WA 98638
2732	Jacquelyn Ingalls	333 N. Welcome Slough Rd, Cathlamet, WA 98612
2733	Douglas & Jill Martin Trust	PO Box 609, Cathlamet, WA 98612
2734	Douglas & Jill Martin Trust	PO Box 609, Cathlamet, WA 98612
2735	William Champine & Paula Webb-Champine	319 N. Welcome Slough Rd, Cathlamet, WA 98612
2761	Herbert & Shirley Lee Trust	249 N. Welcome Slough Rd, Cathlamet, WA 98612
2762	Jerry & Nalane Johnson	253 N. Welcome Slough Rd, Cathlamet, WA 98612
2763	Arvid & Barbara Blix	257 N. Welcome Slough Rd, Cathlamet, WA 98612
2764	Douglas & Jill Martin Trust	PO Box 609, Cathlamet, WA 98612
2773	Doyle & Kathleen Petersen	45 N. Welcome Slough Rd, Cathlamet, WA 98612
2777	Peter & Carol Fleury	287 N. Welcome Slough Rd, Cathlamet, WA 98612
2779	Tracy Larson & Terry Larson	PO Box 96, Rosburg, WA 98643
2783	Michael & Jody Baccellieri Trust	15017 NW Oakmont Loop, Beaverton, OR 97006
2785	Rick & Gail Chudek	2417 NE 114th Ct, Vancouver, WA 98684
2787	Kathy Mafi	261 N. Welcome Slough Rd, Cathlamet, WA 98612
2789	Joseph & Serena Brooks	1710 7th St, Columbia City, OR 97018
2790	Doyle & Kathleen Petersen	45 N. Welcome Slough Rd, Cathlamet, WA 98612
2923	Nature Conservancy	1917 First Ave, Seattle, 98101
2924	Daniel Cothren	64 Main St., Cathlamet, WA 98612
2925	Gary Gilbertson	No Address On Record
2926	Pamela Moore / Anderson et al	364 Greenwood Rd, Cathlamet, WA 98612
2927	Fred Aegerter	403 N. Welcome Slough Rd, Cathlamet, WA 98612
2928	Calvin & Cindy Grasseth	1150 Columbia St, Cathlamet, WA 98612
2929	Fred Aegerter	403 N. Welcome Slough Rd, Cathlamet, WA 98612
2930	Diking District #1	PO Box 624, Cathlamet, WA 98612



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Date 11/21/16

PURPOSE: RESTORE ERODING BANK AND PROTECT EXISTING WETLANDS AND MULTIPLE UPLAND PROPERTIES

DATUM: CRD

ADJACENT PROPERTY OWNERS:  
1. SEE SHEET 7

APPLICATION BY: WAHAKIACUM CO. PUBLIC WORKS

## WELCOME SLOUGH SITE SAND PLACEMENT

### PARCEL MAP

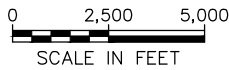
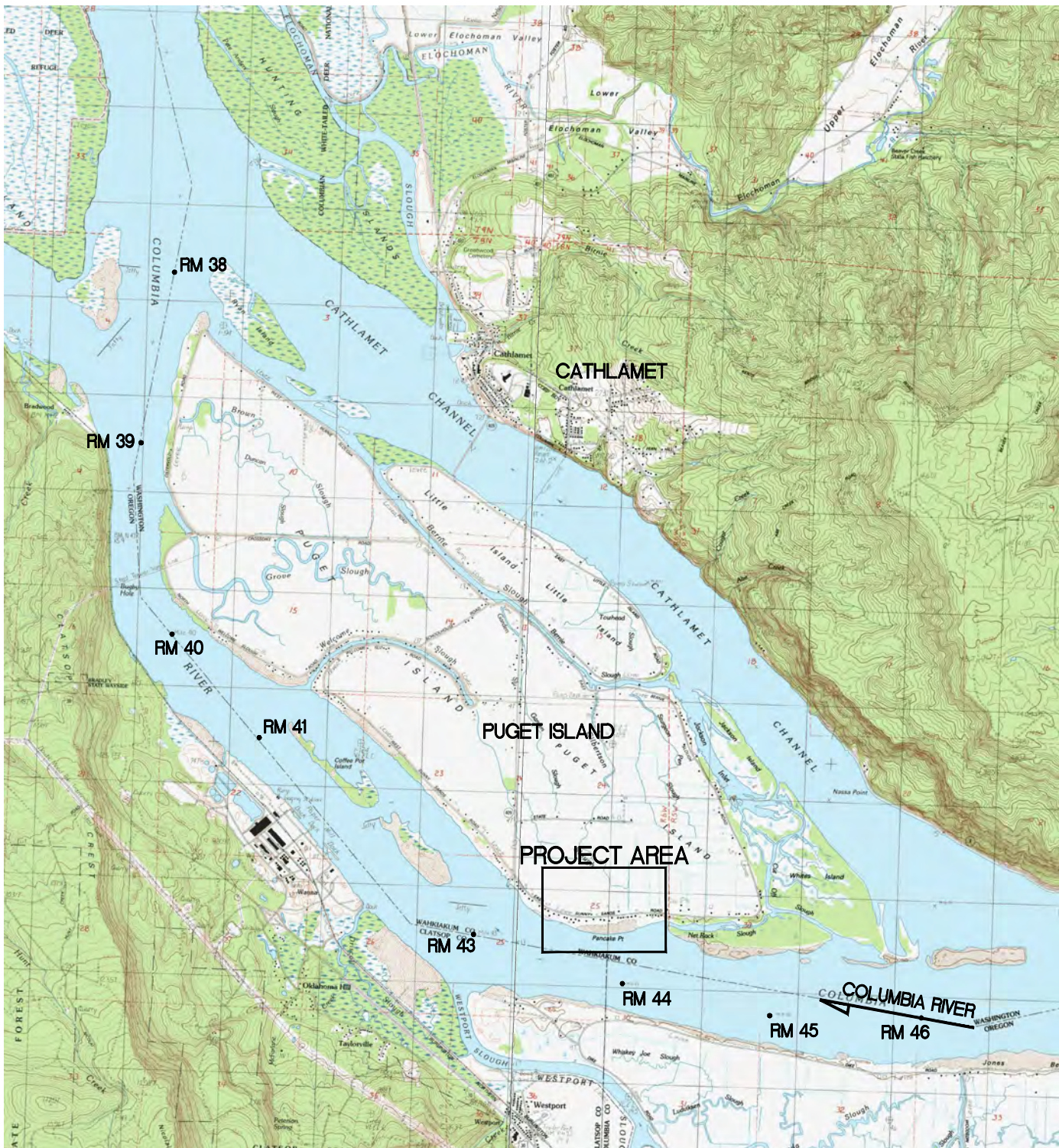
PROPOSED: PLACE DREDGED RIVER SAND AT ERODED BANK AND EARTHEN DIKE

IN: COLUMBIA RIVER

AT: RIVER MILE 40.0-40.5

COUNTY: WAHAKIACUM USACE REF:





NWS-2016-1117  
Sheet 13 of 23  
Date 11/21/16

**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD  
**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHKIAKUM CO. PUBLIC WORKS

## PANCAKE POINT SITE SAND PLACEMENT

### VICINITY MAP

**PROPOSED:** PLACE DREDGED RIVER SAND ON  
ERODED BANK

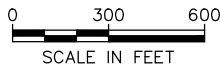
**IN:** COLUMBIA RIVER  
**AT:** RIVER MILE 43.5  
**COUNTY:** WAHKIAKUM **USACE REF:**



FILE: Z:\367004 - Wahkiakum County - Puget Island Dredged Material Placement\7 - Design\367004-Pancake Pt\_Permit.dwg



**SITE PLAN**



**NOTES**

- 1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA.
- 2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY JAN 2016.

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Sheet 14 of 23  
Date 11/21/16

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	10.0
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHKIAKUM CO. PUBLIC WORKS

**PANCAKE POINT SITE  
SAND PLACEMENT**

**EXISTING SITE PLAN**

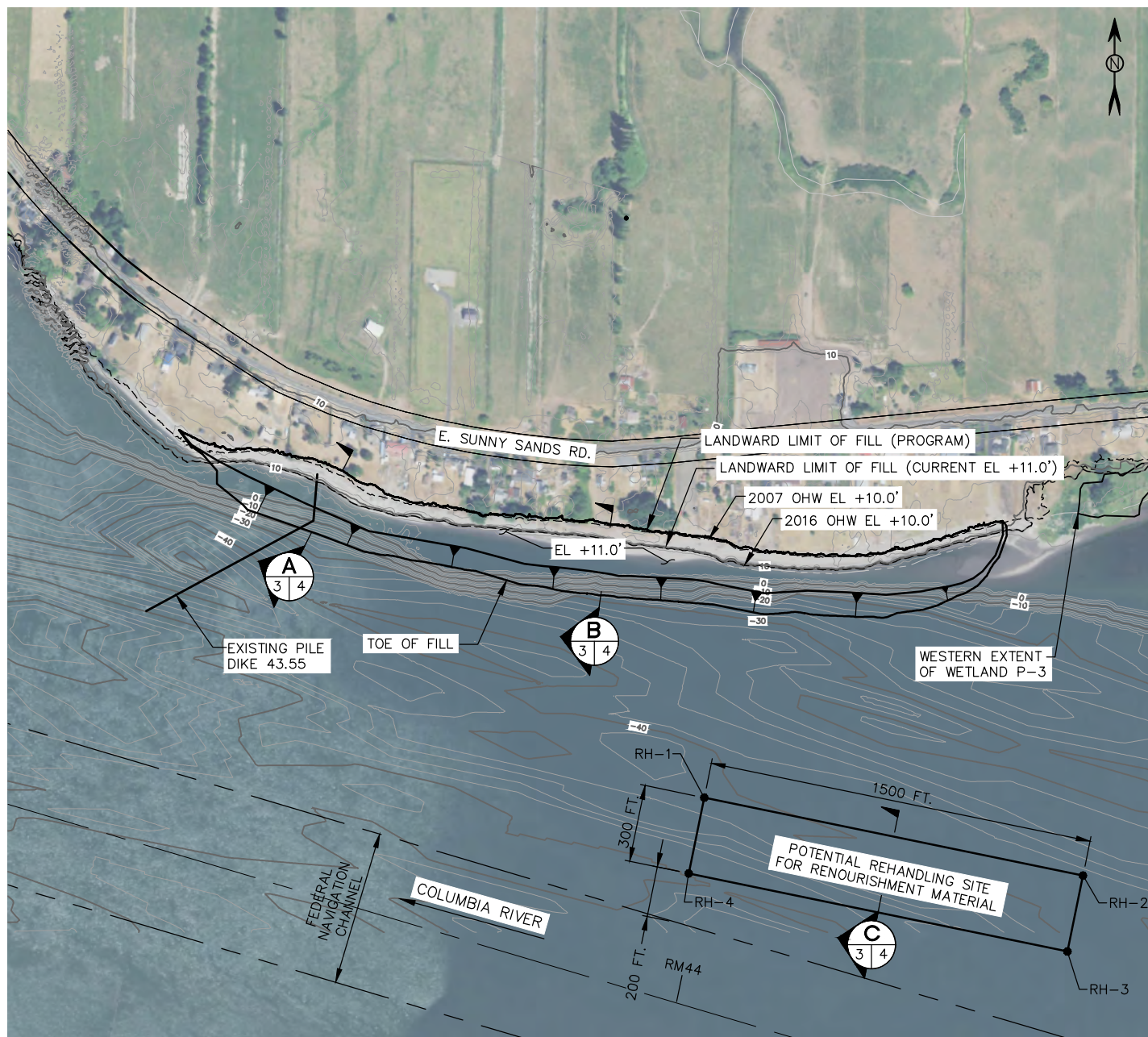
**PROPOSED:** PLACE DREDGED RIVER SAND ON ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 43.5

**COUNTY:** WAHKIAKUM **USACE REF:**

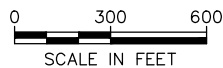




## NOTES

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY JAN 2016.

## SITE PLAN



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## WORKING POINTS

POINT #	NORTHING	EASTING
RH-1	917422.54	7476042.90
RH-2	917120.05	7477512.09
RH-3	916826.21	7477451.59
RH-4	917128.70	7475982.40

## WATER LEVELS, FT. (CRD)

ORDINARY HIGH WATER (OHW)	10.0
---------------------------	------

**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## PANCAKE POINT SITE SAND PLACEMENT

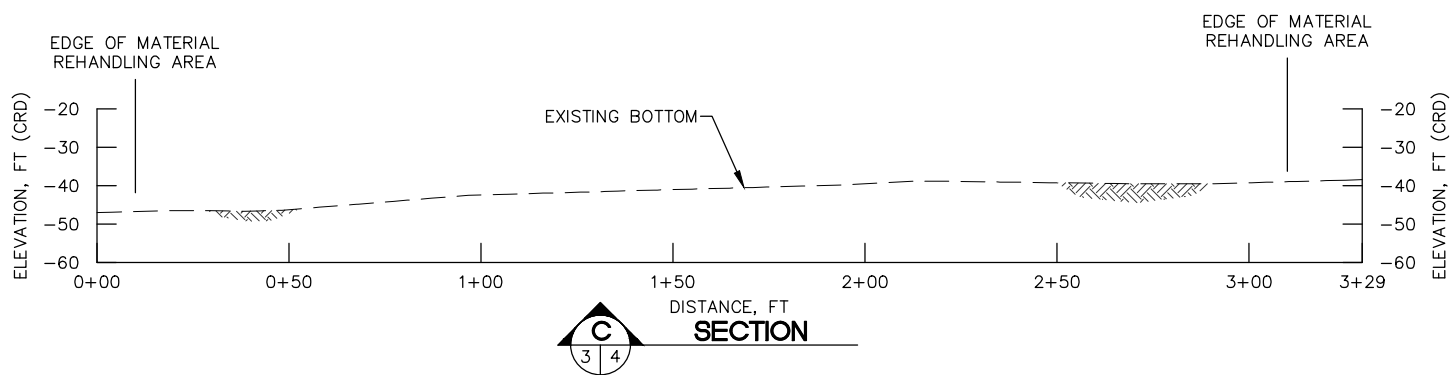
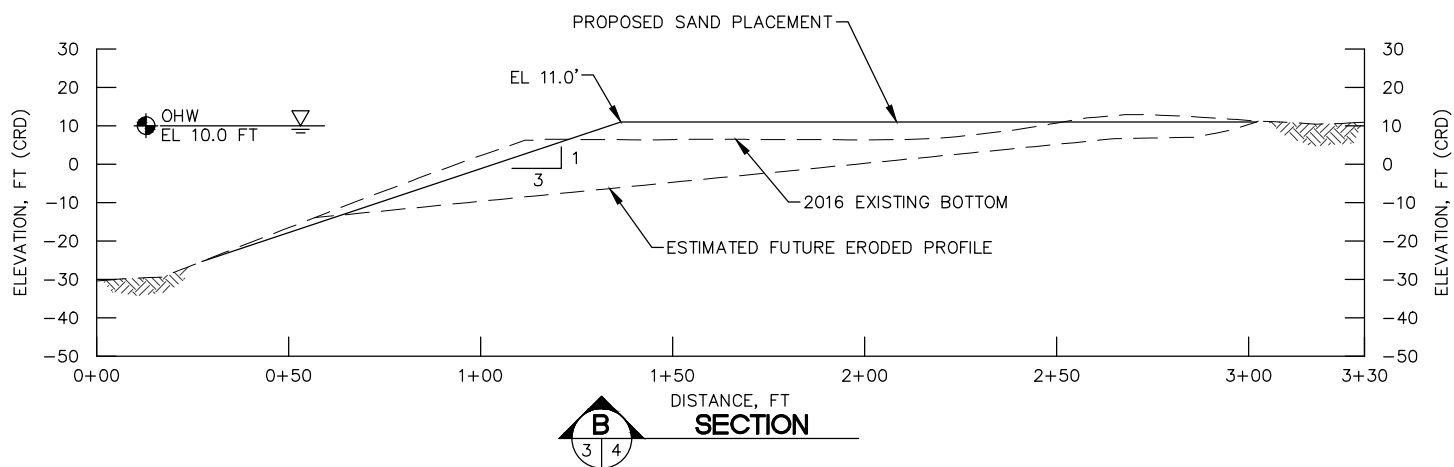
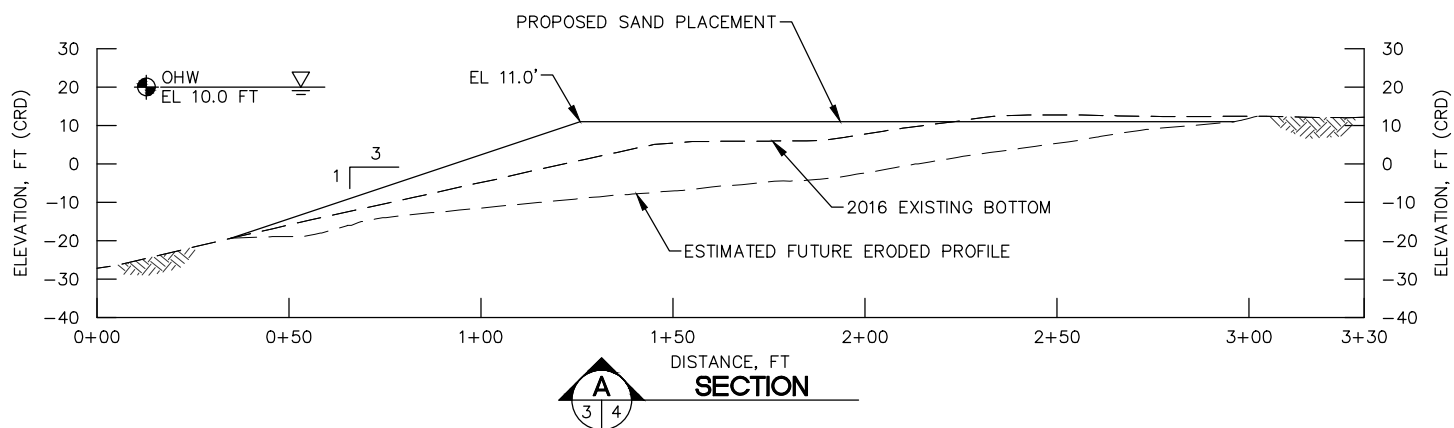
## PROPOSED SITE PLAN

**PROPOSED:** PLACE DREDGED RIVER SAND ON ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 43.5

**COUNTY:** WAHIAKUM **USACE REF:**



0 25 50  
SCALE IN FEET

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Sheet 16 of 23  
Date 11/21/16

**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## PANCAKE POINT SITE SAND PLACEMENT

### SECTIONS

**PROPOSED:** PLACE DREDGED RIVER SAND ON  
ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 43.5

**COUNTY:** WAHIAKUM **USACE REF:**





PARCEL NUMBER	NAME	MAILING ADDRESS
250806-220004	Margaret Glaser	38 E Sunny Sands Rd., Cathlamet, WA 98612
250806-220001	Margaret Glaser & Phyllis Templin	38 E Sunny Sands Rd., Cathlamet, WA 98612
250806-230004	Robert & Elizabeth Volz	15410 NE 26th Ave, Vancouver, WA 98686
250806-210006	Thomas Miller & Jan McDonnel	4823 North Ridge Road, Martinez, CA 94553
250806-210003	Thomas Miller & Jan McDonnel	4823 North Ridge Road, Martinez, CA 94553
250806-230003	Nancy & Robert Wilson, Jr.	38232 McKenzie Hwy, Springfield, OR 97478
250806-230002	Daniel Johnson	P. O. Box 514, Cathlamet, WA 98612
250806-230001	Clifford Roundtree	64 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240011	Elizabeth Norris	2350 Jathom Lane, Longview WA 98632
250806-240009	Edwin & Donna Coe	72 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240008	Betty Gregory	82 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240010	Wayne Holloway	20 E Little Island Rd., Cathlamet, WA 98612
250806-240007	Thomas Silvestri	86 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240006	Rheault Living Trust	5315 Oyster Bay Rd NW, Olympia, WA 98502
250806-240001	Toni & James Robinson	P. O. Box 585, Cathlamet, WA 98612
250806-240004	William & Colleen Krzton	98 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240003	Albert Bergseng & Lynah Gale	100 E Sunny Sands Rd., Cathlamet, WA 98612
250806-240002	Michael & Sheila Lewis	104 E Sunny Sands Rd., Cathlamet, WA 98612
250806-210008	Terry Vik	275 E Sunny Sands Rd., Cathlamet, WA 98612
250806-210009	Gilbert Vik	275 E Sunny Sands Rd., Cathlamet, WA 98612
250806-210010	Murray Coleman	3748 Gravelly Beach Loop NW, Olympia, WA 98502
250806-130010	Jay & Mariane Brightbill	122 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130009	Jay & Mariane Brightbill	122 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130012	Wash State Dept. of Game	P.O. Box 43155, Olympia, WA 98504
250806-120004	John & Sandra Nelson	117 E Sunny Sands Rd., Cathlamet WA 98612
250806-130008	Olaf & Ellen Thomason, Sr.	132 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130013	Karen Fleming	134 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130011	Gary & Vicki Bergseng	140 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130004	Flora Monte	142 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130005	John & Ellen Tobin Trust	148 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130003	Paul & Mary Vik	152 E Sunny Sands Rd., Cathlamet, WA 98612
250806-130002	Mark Vik	156 E Sunny Sands Rd., Cathlamet, WA 98612
250806-120001	William & Penny Springer	162 E Sunny Sands Rd., Cathlamet, WA 98612
250806-120007	Bud & Dorothy Mickelsen	166 E Sunny Sands Rd., Cathlamet, WA 98612
250806-140010	W. David & Cheryl Nelson	P. O. Box 724, Cathlamet, WA 98612
250806-140005	James & Charity Davis Trust	174 E Sunny Sands Rd. Cathlamet, WA 98612
250806-110003	Gary Baker	176 E Sunny Sands Rd. Cathlamet, WA 98612

0 300 600  
SCALE IN FEET

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**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 5

**APPLICATION BY:** WAHAKIUM CO. PUBLIC WORKS

## PANCAKE POINT SITE SAND PLACEMENT

### PARCEL MAP

**PROPOSED:** PLACE DREDGED RIVER SAND ON  
ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 43.5

**COUNTY:** WAHAKIUM **USACE REF:**





0 2,500 5,000  
SCALE IN FEET

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**PURPOSE:** RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 6

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

### VICINITY MAP

**PROPOSED:** PLACE DREGED RIVER SAND AT  
ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 47.5

**COUNTY:** WAHIAKUM **USACE REF:**

SI





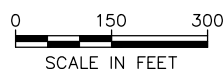
MATCHLINE (SEE SHEET 3)



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 Sheet 19 of 23  
 Date 11/21/16

**NOTES**

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA AND GPS SURVEY POINTS COLLECTED SEP 19, 2016.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY FEB 2016.

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	10.2
---------------------------	------

**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
 1. SEE SHEET 6

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

### EXISTING SITE PLAN 1

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK

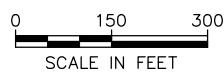
**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 47.5

**COUNTY:** WAHIAKUM **USACE REF:**

**NOTES**

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA AND GPS SURVEY POINTS COLLECTED SEP 19, 2016.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY FEB 2016.



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Date 11/21/16

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	10.2
---------------------------	------

**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**

1. SEE SHEET 6

**APPLICATION BY:** WAHIAKUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

### EXISTING SITE PLAN 2

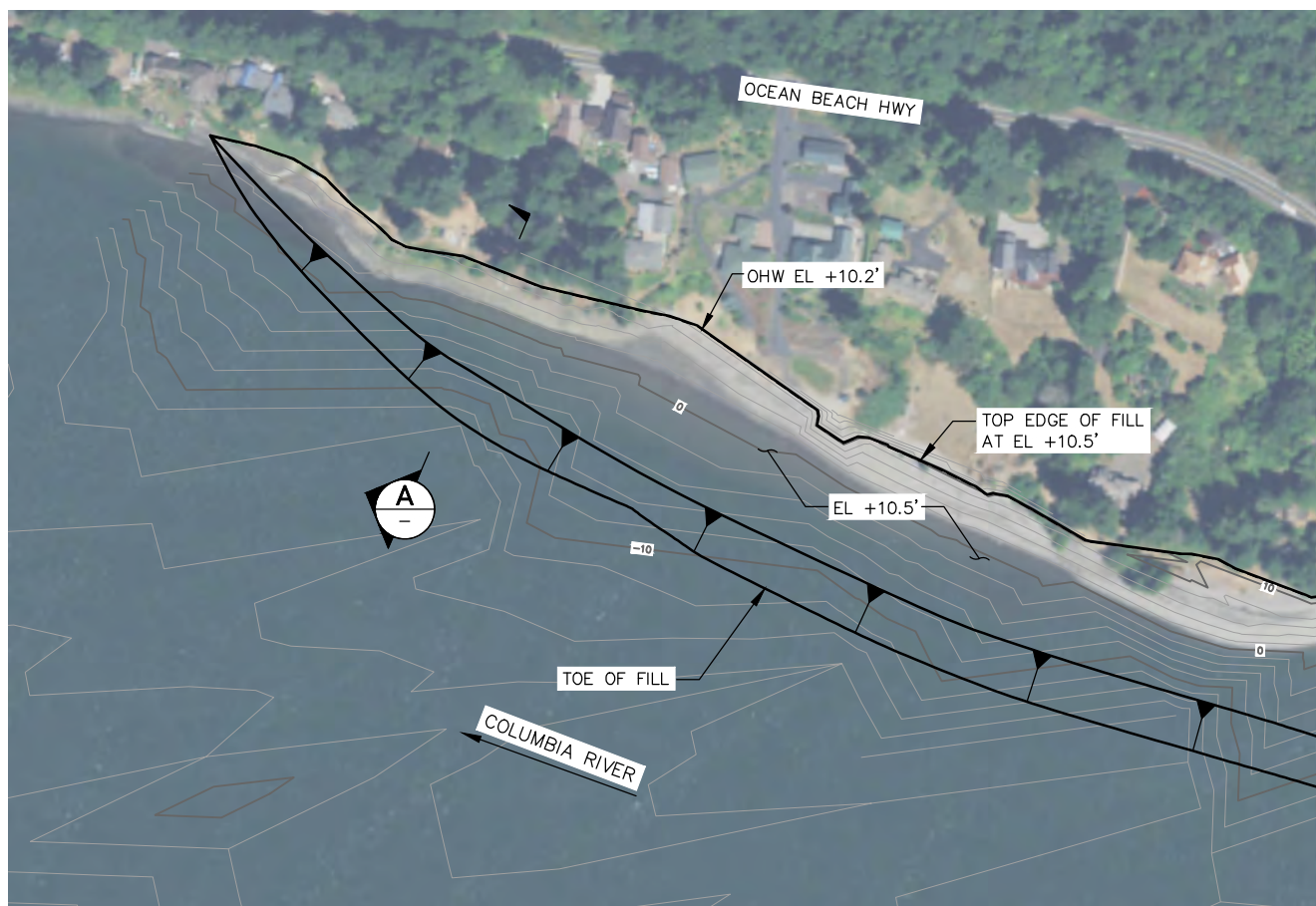
**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 47.5

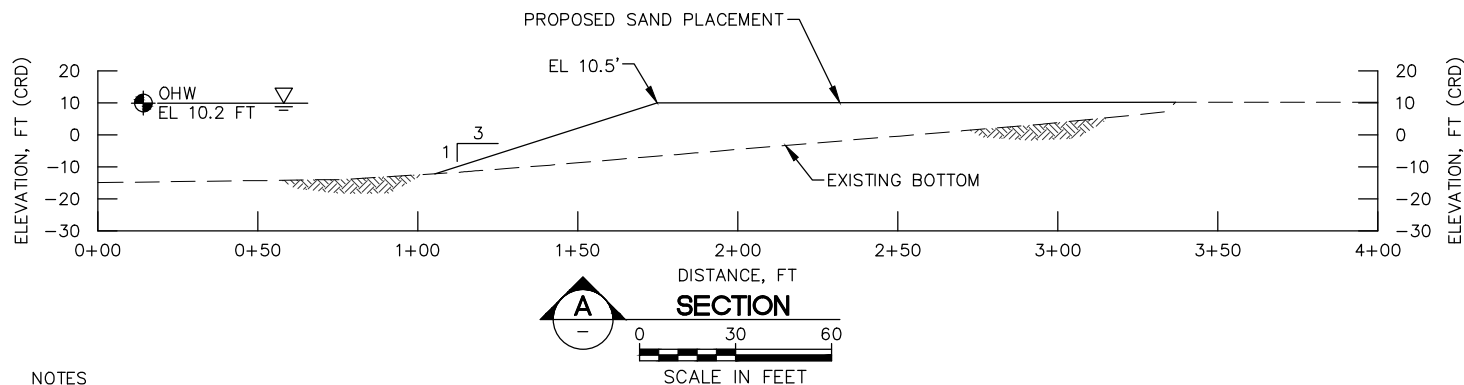
**COUNTY:** WAHIAKUM **USACE REF:**





MATCHLINE (SEE SHEET 5)

0 150 300  
SCALE IN FEET

**NOTES**

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA AND GPS SURVEY POINTS COLLECTED SEP 19, 2016.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY FEB 2016.

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Date 11/21/16

**WATER LEVELS, FT. (CRD)**

ORDINARY HIGH WATER (OHW)	10.2
---------------------------	------

**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**

1. SEE SHEET 6

**APPLICATION BY:** WAHAKIUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

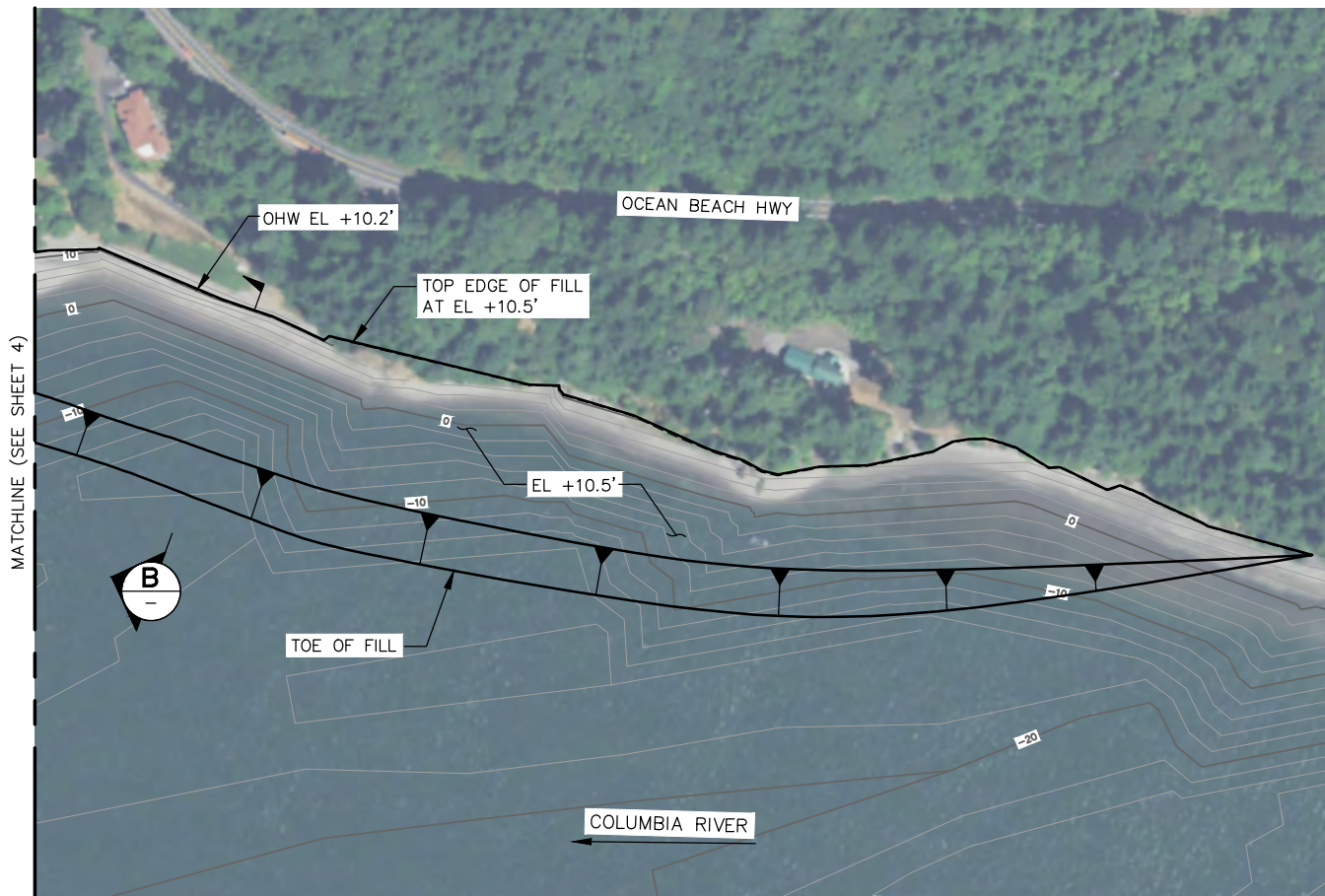
### PROPOSED SITE PLAN 1

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK

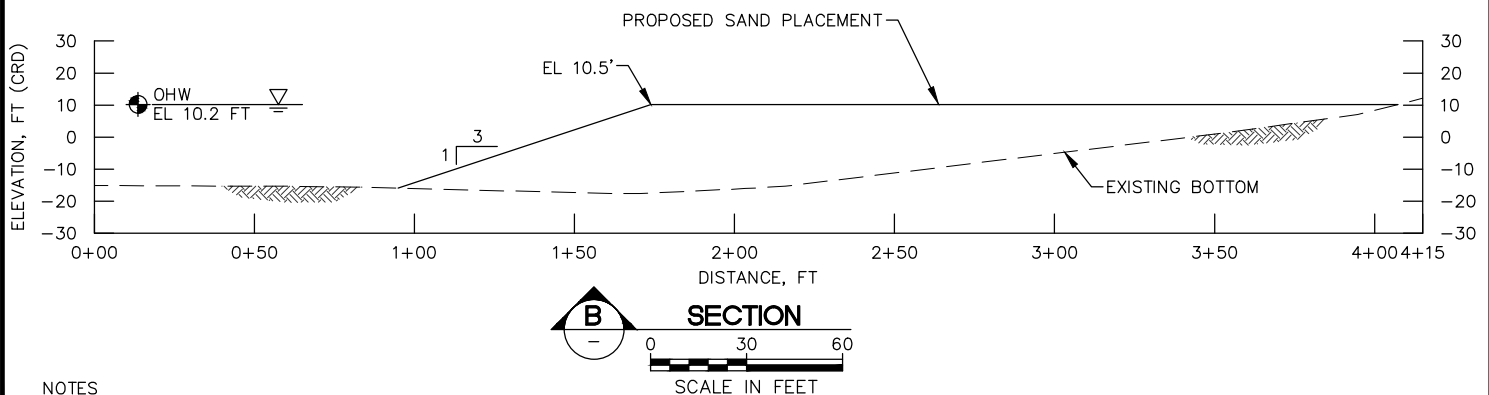
**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 47.5

**COUNTY:** WAHAKIUM **USACE REF:**



0 150 300  
SCALE IN FEET



#### NOTES

1. UPLAND TOPOGRAPHY GENERATED FROM JAN/FEB 2005 LIDAR DATA AND GPS SURVEY POINTS COLLECTED SEP 19, 2016.
2. BATHYMETRY GENERATED FROM HYDROGRAPHIC SURVEY FEB 2016.

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Date 11/21/16

#### WATER LEVELS, FT. (CRD)

ORDINARY HIGH WATER (OHW)	10.2
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**PURPOSE:** RESTORE ERODING BANK AND PROTECT MULTIPLE UPLAND PROPERTIES

**DATUM:** CRD

**ADJACENT PROPERTY OWNERS:**  
1. SEE SHEET 6

**APPLICATION BY:** WAHAKIUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

## PROPOSED SITE PLAN 2

**PROPOSED:** PLACE DREDGED RIVER SAND AT ERODED BANK

**IN:** COLUMBIA RIVER

**AT:** RIVER MILE 47.5

**COUNTY:** WAHAKIUM **USACE REF:**





PARCEL NUMBER	PROPERTY OWNER(S)	MAILING ADDRESS
270805110004	John & Glenda Polwarth Trust	1316 E State Route 4, Cathlamet, WA 98612
270805220001	Joan Harvey-Chester & Richard Erickson	48 Little Cape Horn Rd, Cathlamet, WA 98612
270805220002	Dane & Bertha Moseson Trust	1728 NE Stanton, Portland, OR 97212
270805220004	Ronald Milloy & Sandra Meng	PO Box 444, Cathlamet, WA 98612
270805220005	James Conrod ET UX	12 W Cape Horn Rd, Cathlamet, WA 98612
270805220006	Robert & Cathy Gawith	2 Little Cape Horn Rd, Cathlamet, WA 98612
270805220007	Sandra Davis	1244 E State Route 4, Cathlamet, WA 98612
270805220008	Brad & Connie Grambo	3419 N Spyglass Drive, Florence, AZ
270805220009	Virginia & Donald Fullerton	11 W Cape Horn Rd, Cathlamet, WA 98612
270805220010	Lester Paul & Shirley Toney Jr.	32 Little Cape Horn, Cathlamet, WA 98612
270805220011	James & Mary Ann Bennett	1242 E State Route 4, Cathlamet, WA 98612
270805220012	Sandra Davis	1244 E State Route 4, Cathlamet, WA 98612
270805220013	Marshall & Moira Thomson	16 Little Cape Horn, Cathlamet, WA 98612
270805220014	Joan Harvey-Chester & Richard Erickson	48 Little Cape Horn Rd, Cathlamet, WA 98612
280805110001	Charles & Deborah Lincoln	2 W Cape Horn, Cathlamet, WA 98612
280805110003	Paul Schneider	22 Flandersville Rd, Cathlamet, WA 98612
280805110004	Paul Schneider	22 Flandersville Rd, Cathlamet, WA 98612
280805110010	Shroyer Family Trust	10 W Cape Horn, Cathlamet, WA 98612
280805110011	Dale Baker	5 W Cape Horn, Cathlamet, WA 98612
280805110013	Dorothy Terhaar	16 W Cape Horn, Cathlamet, WA 98612
280805110014	Randall Zacher & Tracey Shern	15 W Cape Horn, Cathlamet, WA 98612

0 250 500  
SCALE IN FEET

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PURPOSE: RESTORE ERODING BANK AND PROTECT  
MULTIPLE UPLAND PROPERTIES

DATUM: CRD

ADJACENT PROPERTY OWNERS:  
1. SEE SHEET 6

APPLICATION BY: WAHKIAKUM CO. PUBLIC WORKS

## CAPE HORN SITE SAND PLACEMENT

### PARCEL MAP

PROPOSED: PLACE DREDGED RIVER SAND AT  
ERODED BANK

IN: COLUMBIA RIVER

AT: RIVER MILE 47.5

COUNTY: WAHKIAKUM USACE REF:

5